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Imagery analysis report

Antiballistic Missile Silo Under Construction In the Moscow Area, USSR (S)

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ANTIBALLISTIC MISSILE SILOS UNDER CONSTRUCTION IN THE MOSCOW AREA, USSR (S)

1. (S/D) Antiballistic missile (ABM) silos have been under construction at four facilities around Moscow, USSR (Figure 1) since [redacted]. These facilities are Pushkino Phased-Array Radar Facility [redacted], Moskva ABM Launch Complex E-24 [redacted], Moscow SAM Site B31-2 [redacted], and Moscow SAM Site B22-2 [redacted]. No construction activity was observed at these facilities on [redacted].

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2. (S/D) The silos, in various stages of construction, consist of a circular excavation approximately 4 meters deep lined with prefabricated concrete blocks. The outer diameter of this shoring is 13.4 meters and the inner diameter is [redacted]. All of the silos, with the exception of the ones at E-24, are approximately 51 meters apart. At E-24, the distance between the silos are 164, 100, and 142 meters.

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3. (S/D) After the initial shoring is in place, a [redacted] inner silo coring is excavated to an unknown depth and then lined with prefabricated concrete blocks. The inner diameter of the silo facing blocks at this stage is [redacted]. Silo coring has only been observed at ABM Complex E-24 and SAM Site B31-2. These corings are similar in size to the silo corings at the ABM silos constructed at Sary Shagan (Figure 2).

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4. (S/D) The silos at Pushkino (Figure 3) are approximately 1 kilometer east-northeast of the new phased-array radar. Ten silos were under construction in two straight rows, one row with six silos and the other with four. Additional silos may be constructed in the future. Five silos were first observed on [redacted]. Ten silos were observed. A small security building was constructed at the entrance to the site and a board security fence was under construction around the site.

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5. (S/D) At Moscow ABM Complex E-24 (Figure 4), four silos were under construction on [redacted]. They were in a straight line next to the four dismantled launchers at TRY ADD radar area II. Tree clearing was observed in the wooded area next to the four dismantled launchers at TRY ADD radar area I, indicating the probable construction of four additional silos.

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6. (S/D) At Moscow SAM Site B31-2 (Figure 5), seven silos and one possible silo were under construction on [redacted]. Four of the silos are in a straight line at one end of the site and three silos at the other end of the site are in an L-shaped configuration. A new security building, security fence, and site entrance road were all under construction.

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7. (S/D) At Moscow SAM Site B22-2 (Figure 6), two silos were under construction on [redacted]. A new security building and security fence were also under construction.

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8. (S/D) Currently in the Moscow area, there are 32 operational GALOSH ABM launchers, 23 silos under construction, and clearings for five more silos. The total number of silos and ABM launch complexes to be deployed has not been determined.

9. (U) The present ABM treaty, signed on [redacted] between the Soviet Union and the United States, allows for the deployment of six ABM radar complexes, no more than 100 ABM launchers, and no more than 100 ABM interceptor missiles within a radius of 150 kilometers from Moscow. Under the terms of the treaty, modernization of the launchers and expansion of their number within the treaty limit may be undertaken at any time and require no prior notification to the United States.

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(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] or [redacted] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [redacted] or green exten-[redacted].

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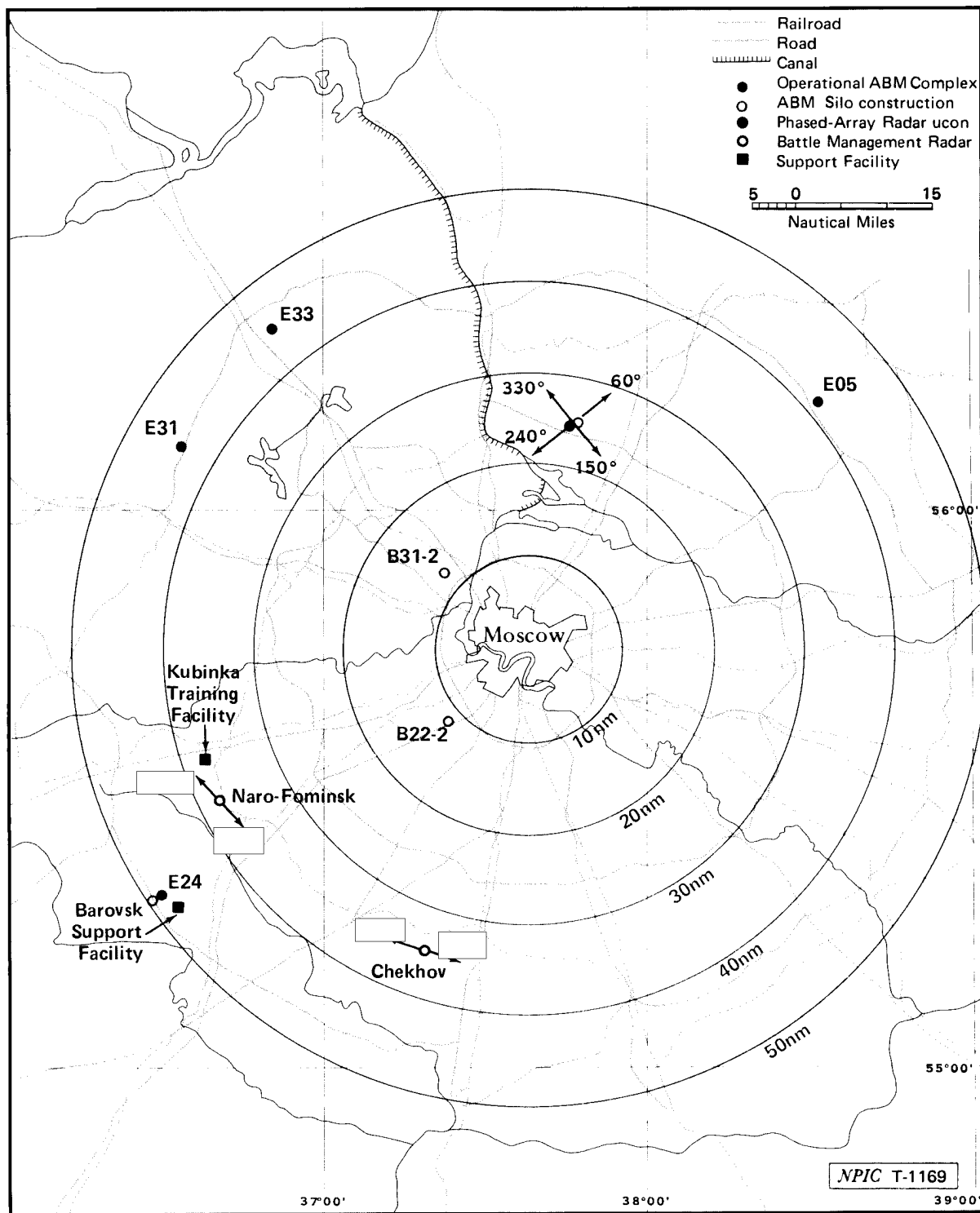
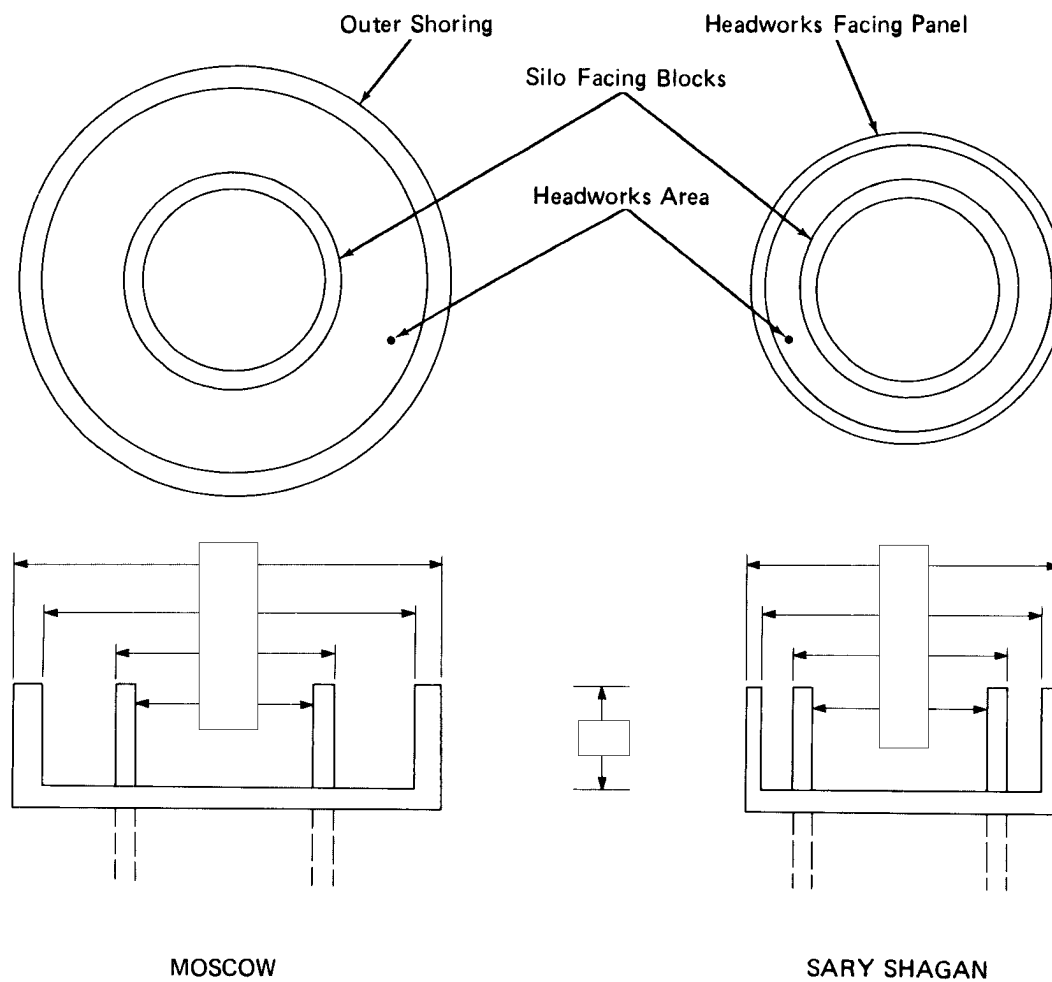


FIGURE 1. LOCATION OF MOSCOW ABM FACILITIES, USSR

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Dimensions in Meters

NPIC T-1170

FIGURE 2. COMPARISON OF DEPLOYED ABM SILOS IN THE MOSCOW AREA (LEFT) WITH THE ABM SILOS AT SARY SHAGAN MISSILE TEST CENTER (RIGHT)

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